

Fig.1

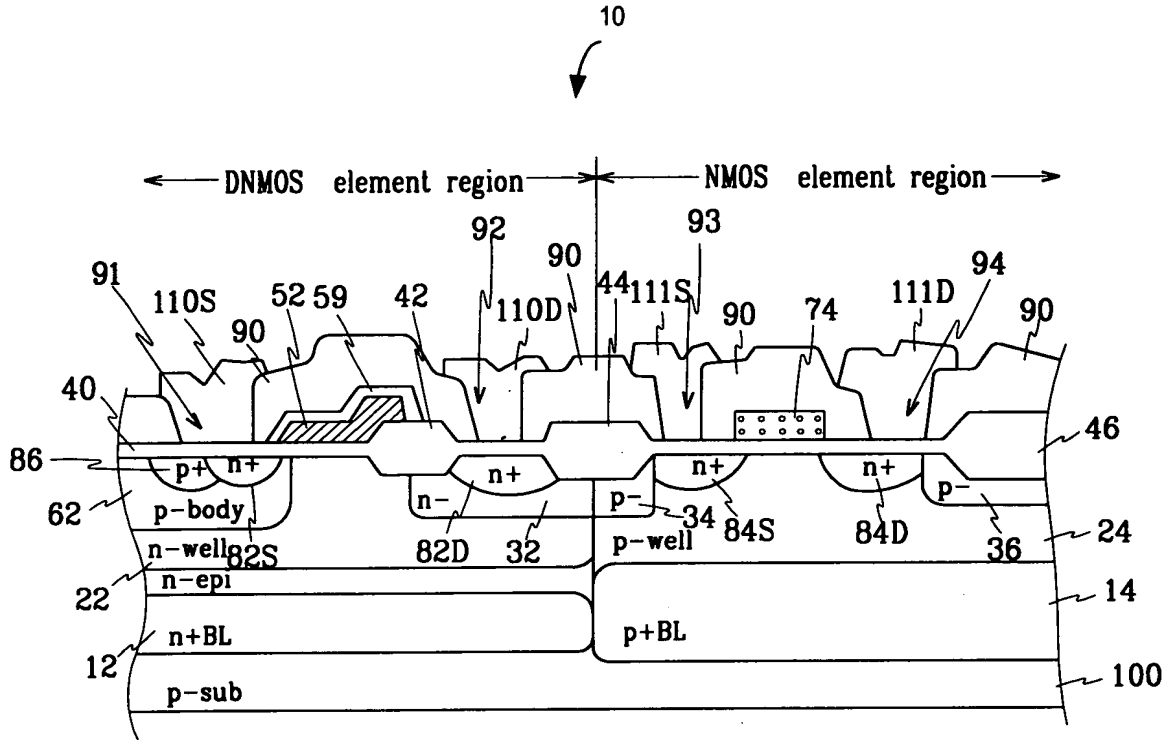


Fig.2a

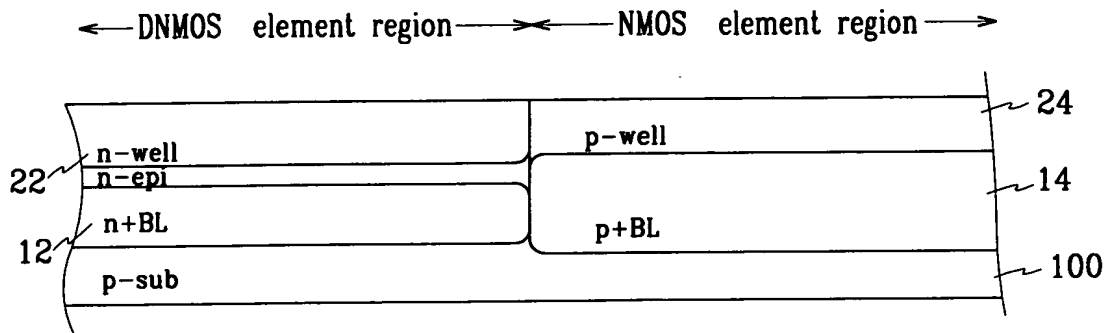


Fig.2b

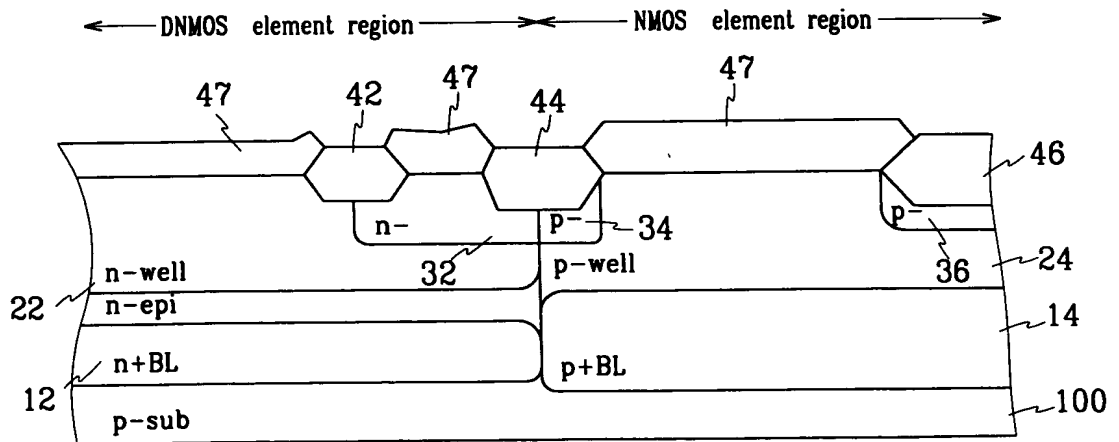


Figure 4 shows the results of the regression analysis. The regression coefficients for the variables are presented in Table 1. The results indicate that the regression model is statistically significant ($F = 10.14$, $p < 0.001$). The adjusted R^2 value is 0.85, indicating that the model explains 85% of the variance in the dependent variable. The regression equation is:

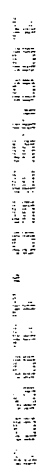
$$Y = 0.0001X_1 + 0.0002X_2 + 0.0003X_3 + 0.0004X_4 + 0.0005X_5 + 0.0006X_6 + 0.0007X_7 + 0.0008X_8 + 0.0009X_9 + 0.0010X_{10} + 0.0011X_{11} + 0.0012X_{12} + 0.0013X_{13} + 0.0014X_{14} + 0.0015X_{15} + 0.0016X_{16} + 0.0017X_{17} + 0.0018X_{18} + 0.0019X_{19} + 0.0020X_{20} + 0.0021X_{21} + 0.0022X_{22} + 0.0023X_{23} + 0.0024X_{24} + 0.0025X_{25} + 0.0026X_{26} + 0.0027X_{27} + 0.0028X_{28} + 0.0029X_{29} + 0.0030X_{30} + 0.0031X_{31} + 0.0032X_{32} + 0.0033X_{33} + 0.0034X_{34} + 0.0035X_{35} + 0.0036X_{36} + 0.0037X_{37} + 0.0038X_{38} + 0.0039X_{39} + 0.0040X_{40} + 0.0041X_{41} + 0.0042X_{42} + 0.0043X_{43} + 0.0044X_{44} + 0.0045X_{45} + 0.0046X_{46} + 0.0047X_{47} + 0.0048X_{48} + 0.0049X_{49} + 0.0050X_{50} + 0.0051X_{51} + 0.0052X_{52} + 0.0053X_{53} + 0.0054X_{54} + 0.0055X_{55} + 0.0056X_{56} + 0.0057X_{57} + 0.0058X_{58} + 0.0059X_{59} + 0.0060X_{60} + 0.0061X_{61} + 0.0062X_{62} + 0.0063X_{63} + 0.0064X_{64} + 0.0065X_{65} + 0.0066X_{66} + 0.0067X_{67} + 0.0068X_{68} + 0.0069X_{69} + 0.0070X_{70} + 0.0071X_{71} + 0.0072X_{72} + 0.0073X_{73} + 0.0074X_{74} + 0.0075X_{75} + 0.0076X_{76} + 0.0077X_{77} + 0.0078X_{78} + 0.0079X_{79} + 0.0080X_{80} + 0.0081X_{81} + 0.0082X_{82} + 0.0083X_{83} + 0.0084X_{84} + 0.0085X_{85} + 0.0086X_{86} + 0.0087X_{87} + 0.0088X_{88} + 0.0089X_{89} + 0.0090X_{90} + 0.0091X_{91} + 0.0092X_{92} + 0.0093X_{93} + 0.0094X_{94} + 0.0095X_{95} + 0.0096X_{96} + 0.0097X_{97} + 0.0098X_{98} + 0.0099X_{99} + 0.0100X_{100}$$


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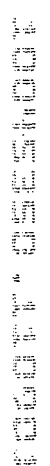
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Fig.2e

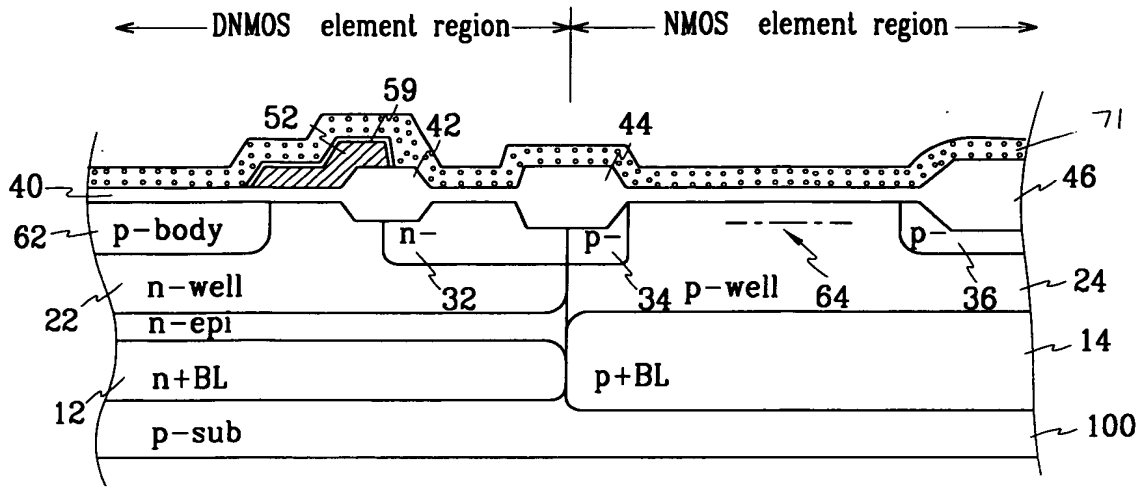


Fig.2f

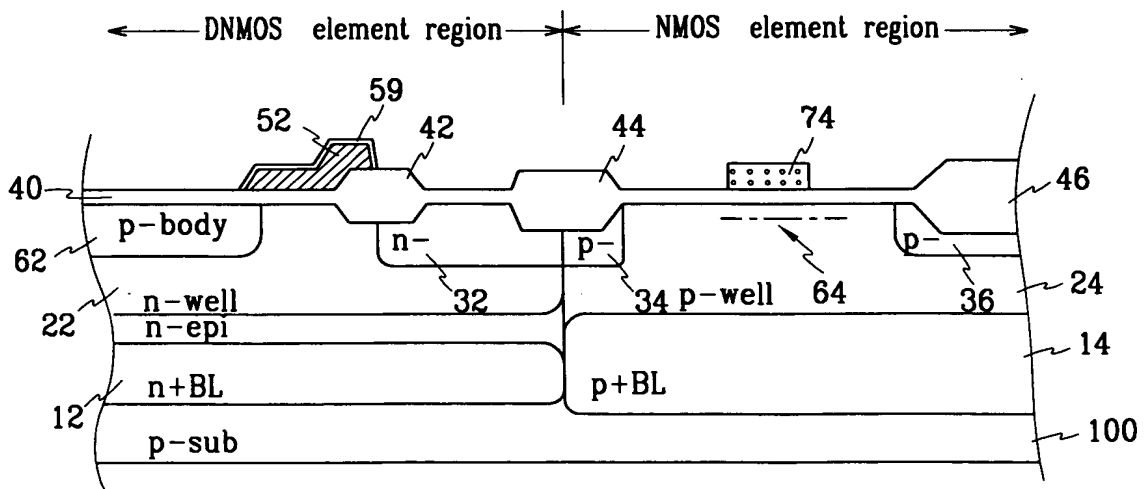


Fig.2g

